

University of Groningen

Of spin and charge in the cuprates

Grüniger, Markus Uwe; Sawatzky, G.A

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

1999

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Grüniger, M. U., & Sawatzky, G. A. (1999). *Of spin and charge in the cuprates*. s.n.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

List of Publications

- *Mid-infrared absorption in $YBa_2Cu_3O_6$: failure of spin-wave theory in undoped cuprates?*, M. Grüninger, D. van der Marel, A. Damascelli, A. Erb, Th. Wolf, T. Nunner, and T. Kopp, submitted (<http://xxx.lanl.gov/abs/cond-mat/9904394>).
- *Magneto-elastic polarons in the infrared spectrum of low doped $YBa_2Cu_3O_{6+\delta}$* , M. Grüninger, D. van der Marel, A. Erb, M. Kläser, J. Münzel, A. Zibold, and H.P. Geserich, submitted.
- *Observation of out-of-phase bilayer plasmons in $YBa_2Cu_3O_{7-\delta}$* , M. Grüninger, D. van der Marel, A.A. Tsvetkov, and A. Erb, submitted, (<http://xxx.lanl.gov/abs/cond-mat/9903352>).
- *Charged magnons and magneto-elastic polarons in the mid-infrared spectrum of $YBa_2Cu_3O_6$* , M. Grüninger, D. van der Marel, A. Damascelli, A. Zibold, H.P. Geserich, A. Erb, M. Kläser, Th. Wolf, T. Nunner, and T. Kopp, *Physica C* **317-318**, 286 (1999).
- *Infrared spectroscopy on $Y_{1-x}RE_xBa_2Cu_{3-y}Zn_yO_6$ ($RE=Pr, Gd, x=0$ and $0.8; y=0$ and ≈ 0.15)*, M. Grüninger, D. van der Marel, H.P. Geserich, Th. Wolf, A. Erb, and T. Kopp, *Physica B* **244**, 60 (1998).
- *Direct two-magnon optical absorption in α' - NaV_2O_5 : “charged” magnons*, A. Damascelli, D. van der Marel, M. Grüninger, C. Presura, T.T.M. Palstra, J. Jegoudez, and A. Revcolevschi, *Physical Review Letters* **81**, 918 (1998).
- *Global and local measures of the intrinsic Josephson coupling in $Tl_2Ba_2CuO_6$ as a test of the interlayer tunneling model*, A.A. Tsvetkov, D. van der Marel, K.A. Moler, J.R. Kirtley, J.L. de Boer, A. Meetsma, Z.F. Ren, N. Kolesnikov, D. Dulic, A. Damascelli, M. Grüninger, J. Schützmann, J.W. van der Eb, H.S. Somal, and J.H. Wang, *Nature* **395**, 360 (1998).
- *Optical study of antiferromagnetic single crystals $Y_{1-x}Pr_xBa_2Cu_3O_6$ in high magnetic fields*, A. Zibold, H.L. Liu, D.B. Tanner, J.Y. Wang, M. Grüninger, H.P. Geserich, T. Kopp, Th. Wolf, W. Widder, and H.F. Braun, *Physical Review B* **55**, 11096 (1997).

- *Far- and mid-infrared spectrum of $YBa_2Cu_3O_{6.0}$ in high magnetic fields*,
M. Grüninger, D. van der Marel, P.J.M. van Bentum, A. Erb, H.P. Geserich,
and T. Kopp, Journal of Low Temperature Physics **105**, 389 (1996).
- *Probing the mid-infrared spectrum of $YBa_2Cu_3O_{6.0}$ with high magnetic fields
and Zinc doping*,
M. Grüninger, D. van der Marel, P.J.M. van Bentum, A. Erb, Th. Wolf,
and T. Kopp, Czechoslovak Journal of Physics **46 (S2)**, 1127 (1996).
- *Spin-waves in the mid-infrared spectrum of antiferromagnetic $YBa_2Cu_3O_{6.0}$* ,
M. Grüninger, J. Münzel, A. Gaymann, A. Zibold, H.P. Geserich, and T. Kopp,
Europhysics Letters **35**, 55 (1996).